



4.2.2 Practice: Polyhedron Grower Tool Name: Isaiah Singh 4/24/2020

ALS Liberal Arts Math 1 Sem 2 *Points Possible:25*

Answer the following questions using what you've learned from this lesson. Write your responses in the space provided.

Use the Polyhedron Grower Tool to investigate polyhedra.

1. Play with the Polyhedron Grower Tool until you understand the controls. Manipulate the cube until it appears to be a square. Now shrink it all the way back and watch it grow to a cube again. Can you explain what you see?

Answer: I can see that the dimensions are interconnected, and with shrinking the cube and making it grow back again, the segments and solids are transform into plane figures.

2. Find polyhedra around your house or classroom. (Rectangular prisms are very easy to find.) How many other types of polyhedra can you find? Look particularly for prisms and pyramids.

Answer: I have found many platonic solids, prisms, and pyramids in the form of my little brothers toys.